



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0297/S, REVISION 3**

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency and the United States of America for the transport of radioactive materials.

1. Source Identification - Industrial Nuclear Company Model A Source Capsule.
2. Source Description - The source described by this certificate is a welded encapsulation of Type 304 stainless steel measuring 6 mm (0.25") in diameter by 23 mm (0.9") in length, which may be attached to a cable connector. The source authorized by this certificate must meet the criteria of Industrial Nuclear Company Drawing No. P34, Drawing No. P35 and Drawing No. P35A (attached).
3. Radioactive Contents - not more than 7.4 TBq (200 curies) of Iridium-192 as metallic pellets.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires September 30, 2003.

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated August 4, 1998 submitted by Industrial Nuclear Company, San Leandro, CA, and in consideration of other information on file in this Office.

Certified by:


Alan I. Roberts

Associate Administrator for Hazardous Materials Safety

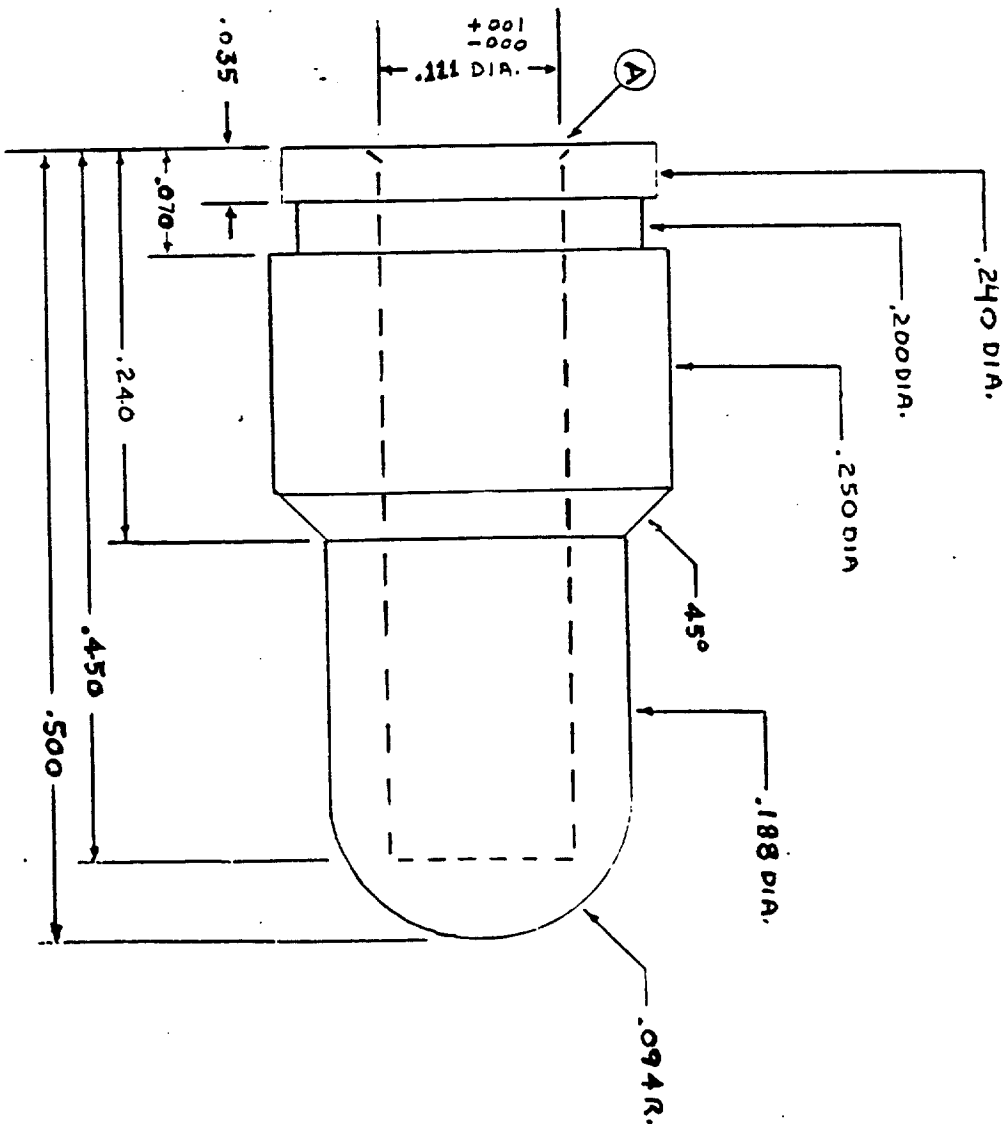
SEP - 1 1998

(DATE)

Revision 3 - Issued to extend the expiration date.

1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990", published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

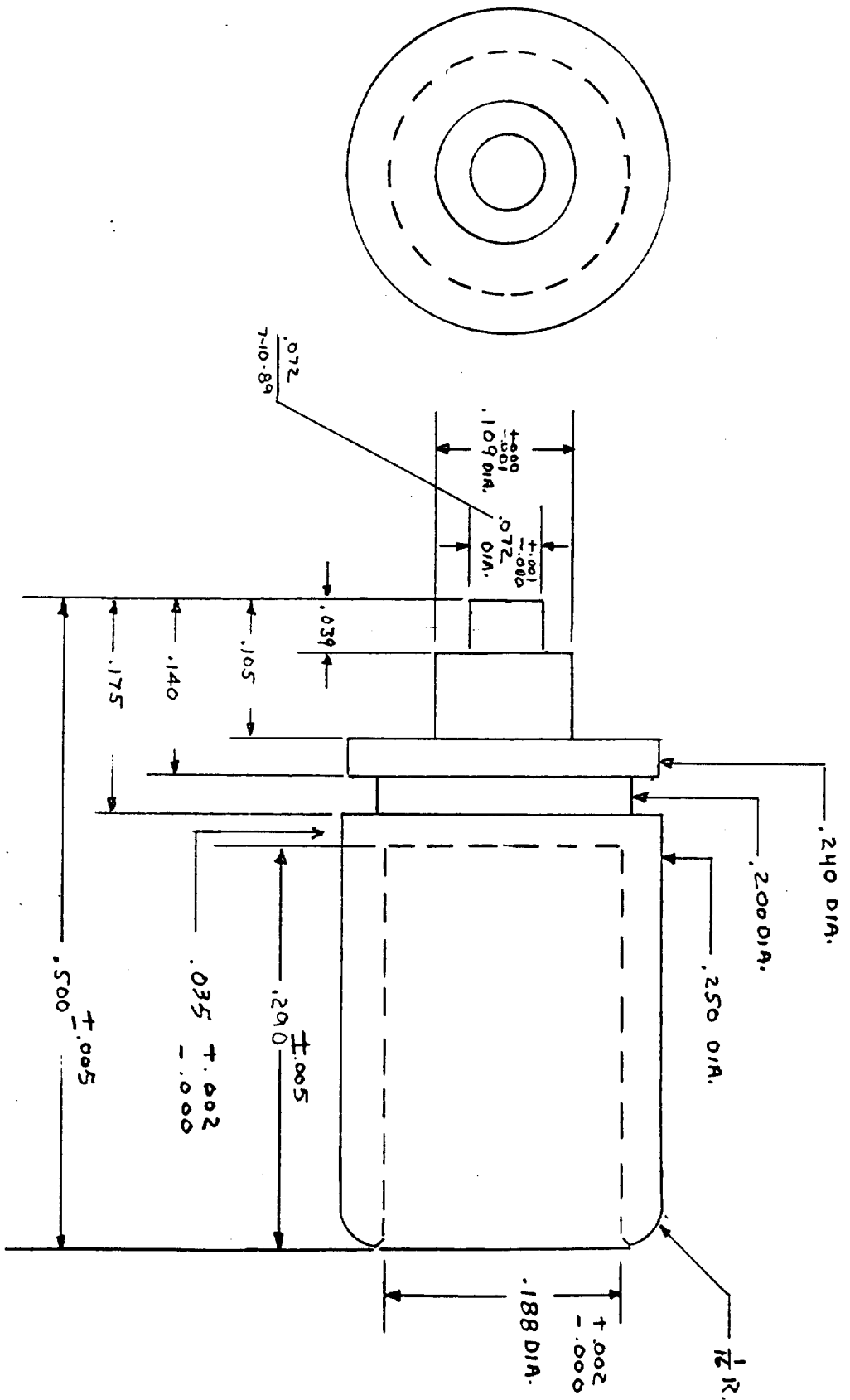
2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.



NOTE (A) COUNTERBORE 45° X .020 DEEP

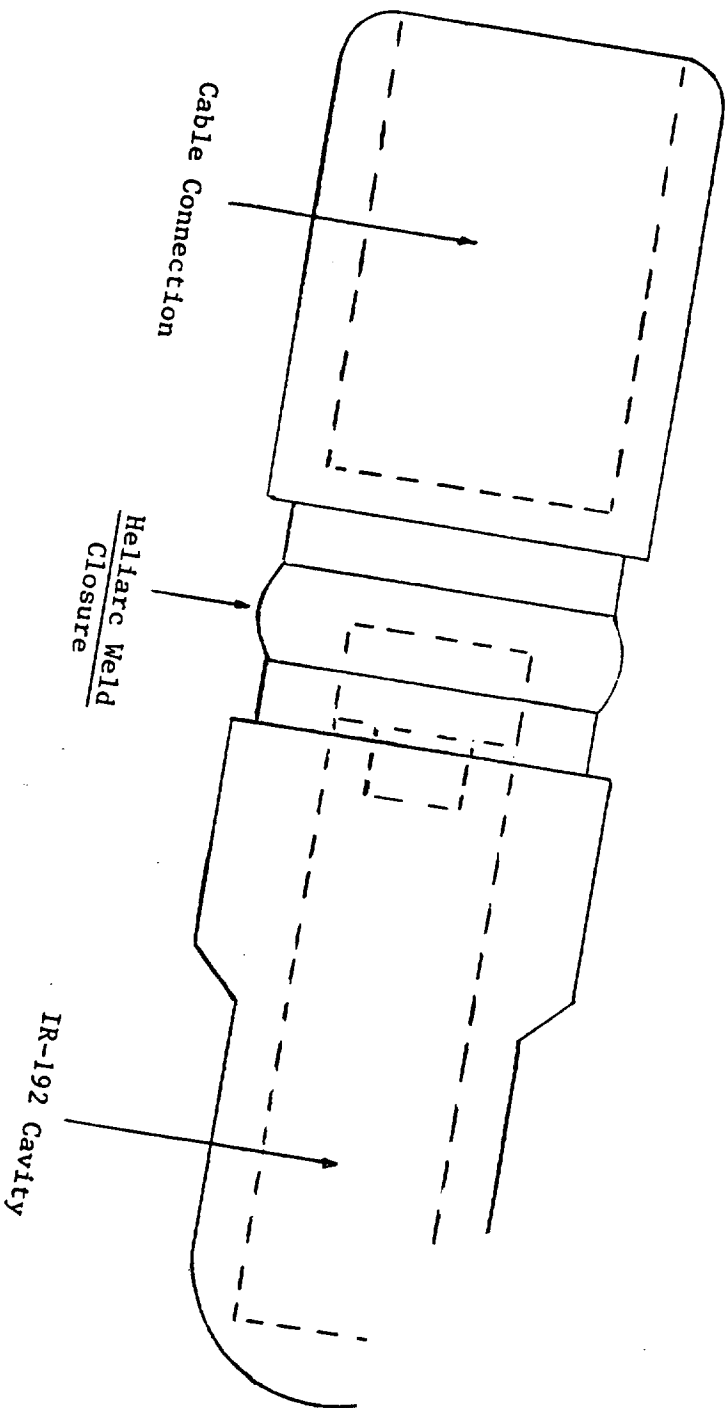
TOLERANCE $\pm .001$ E.N.I.

INDUSTRIAL NUCLEAR CO
DEVICE <u>SOURCE CAPSULE</u>
DWG# <u>P 34</u> PART#
PART NAME <u>SOURCE CAPSULE</u>
SCALE <u>8=1" FINISH 1/6</u>
MATERIAL <u>STAINLESS 304</u>
REVISION <u>9-6-83</u>
REVISION <u>8-24-95</u> MR
REVISION
REVISION



INDUSTRIAL NUCLEAR COMPANY
DWG # P35 PART # 35
PART NAME CARTRIDGE PLUG
MATERIAL 304 STAINLESS
FINISH 16
SCALE 8" = 1" TOLERANCE $\pm .002$ ENW
REVISION 4-21-81 <i>WJS</i>
REVISION 9-7-83 <i>WJS</i>
REVISION 7-10-89 <i>WJS</i>
REVISION 8-24-95 <i>MR</i>

APPLICATION: Used exclusively for Pigtail Models 1,2,3,4,5,6,7,8,9,10,32,33
 MAXIMUM CONTENTS: 200 C4 IR-192
 ADD 22,88



INDUSTRIAL NUCLEAR CO.
 DEVICE SOURCE CATALOG
 DWG# P35A
 PART